

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:ssptacrs1614

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:52:43 ON 22 JAN 2008
FILE 'CAPLUS' ENTERED AT 12:52:43 ON 22 JAN 2008
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	11.35	259.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

=> file registry

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	11.35	259.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

FILE 'REGISTRY' ENTERED AT 12:52:56 ON 22 JAN 2008
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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

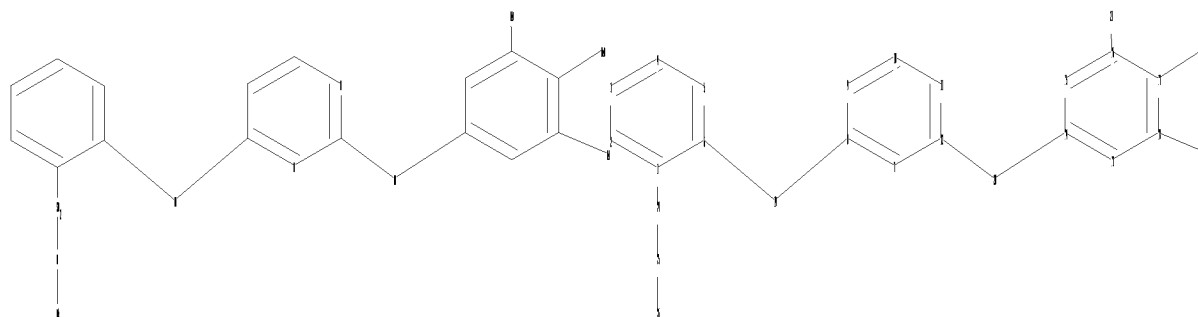
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10571733.str



```

chain nodes :
19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-24 6-19 8-19 12-20 14-20 16-21 17-22 18-23 24-25 25-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
6-19 8-19 12-20 14-20 24-25 25-26
exact bonds :
1-24 16-21 17-22 18-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

```

L5 STRUCTURE UPLOADED

=> l5 sss ful

L5 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l5 sss ful

FULL SEARCH INITIATED 12:53:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 66 TO ITERATE

100.0% PROCESSED 66 ITERATIONS

5 ANSWERS

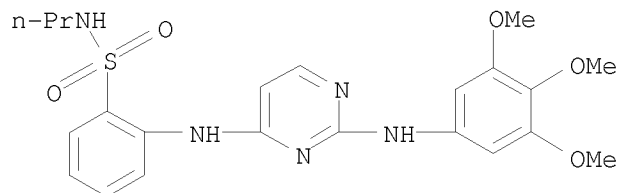
SEARCH TIME: 00.00.01

L6

5 SEA SSS FUL L5

=> d 16 1-6

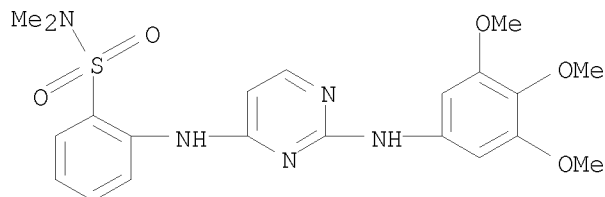
L6 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-37-1 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N-propyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C22 H27 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

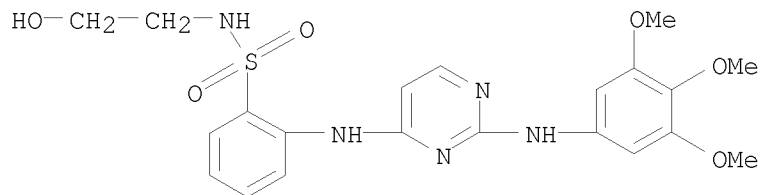
L6 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-35-9 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N,N-dimethyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

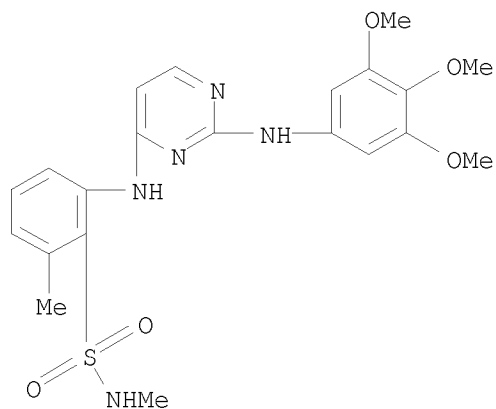
L6 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-34-8 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N-(2-hydroxyethyl)-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O6 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

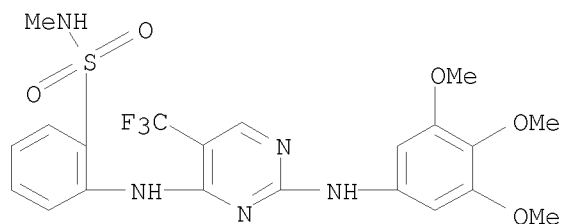
L6 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 604802-45-1 REGISTRY
ED Entered STN: 15 Oct 2003
CN Benzenesulfonamide, N,2-dimethyl-6-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 604802-41-7 REGISTRY
ED Entered STN: 15 Oct 2003
CN Benzenesulfonamide, N-methyl-2-[[5-(trifluoromethyl)-2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H22 F3 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	188.82	448.39
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.60

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FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 16

L7 2 L6

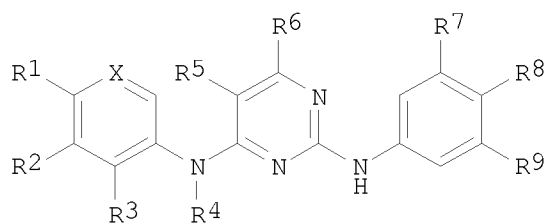
=> d 17 ibib abs 1-2

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:260035 CAPLUS
DOCUMENT NUMBER: 142:336377
TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful in the treatment of proliferative disorders
INVENTOR(S): Imbach, Patricia; Roesel, Johannes

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005026130	A1	20050324	WO 2004-EP10466	20040917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004272288	A1	20050324	AU 2004-272288	20040917
CA 2538413	A1	20050324	CA 2004-2538413	20040917
EP 1663992	A1	20060607	EP 2004-765358	20040917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1852900	A	20061025	CN 2004-80026942	20040917
BR 2004014544	A	20061107	BR 2004-14544	20040917
JP 2007505858	T	20070315	JP 2006-526595	20040917
US 2007105839	A1	20070510	US 2006-571733	20060314
IN 2006CN00922	A	20070615	IN 2006-CN922	20060316
MX 2006PA03054	A	20060531	MX 2006-PA3054	20060317
PRIORITY APPLN. INFO.:			US 2003-504374P	P 20030918
			WO 2004-EP10466	W 20040917

OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377
 GI



I

AB The title compds. I [X = CR0, N; R0, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:757684 CAPLUS

DOCUMENT NUMBER: 139:292258

TITLE: Pyrimidine derivatives

INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

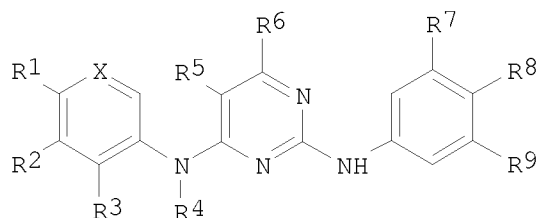
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078404	A1	20030925	WO 2003-EP2710	20030314
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2479133	A1	20030925	CA 2003-2479133	20030314
AU 2003227070	A1	20030929	AU 2003-227070	20030314
AU 2003227070	B2	20070201		
EP 1487805	A1	20041222	EP 2003-744366	20030314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008461	A	20050118	BR 2003-8461	20030314
JP 200527529	T	20050915	JP 2003-576410	20030314
CN 1697830	A	20051116	CN 2003-806101	20030314
NZ 535109	A	20060526	NZ 2003-535109	20030314
IN 2004CN02025	A	20060224	IN 2004-CN2025	20040910
MX 2004PA09058	A	20050125	MX 2004-PA9058	20040915
NO 2004004374	A	20041014	NO 2004-4374	20041014
US 2006100227	A1	20060511	US 2005-507060	20050613
ZA 200406709	A	20060531	ZA 2004-6709	20060330
PRIORITY APPLN. INFO.:			GB 2002-6215	A 20020315
			WO 2003-EP2710	W 20030314

OTHER SOURCE(S): MARPAT 139:292258

GI



I

AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. Pharmaceutical compns. containing I are claimed.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:53:56 ON 22 JAN 2008)

FILE 'REGISTRY' ENTERED AT 11:54:20 ON 22 JAN 2008

L1 STRUCTURE UPLOADED

L2 0 S L1 FAM FUL

L3 5 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 11:55:10 ON 22 JAN 2008

L4 2 S L3

FILE 'REGISTRY' ENTERED AT 12:52:56 ON 22 JAN 2008

L5 STRUCTURE UPLOADED

L6 5 S L5 SSS FUL

FILE 'CAPLUS' ENTERED AT 12:53:50 ON 22 JAN 2008

L7 2 S L6

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

8.22 456.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

-1.60 -3.20

STN INTERNATIONAL LOGOFF AT 12:56:45 ON 22 JAN 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:ssptacrs1614

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CAPplus enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models
NEWS 10 OCT 27 Free display of legal status information in CA/CAPplus,
USPATFULL, and USPAT2 in the month of November.

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:50:17 ON 17 NOV 2009

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 09:50:37 ON 17 NOV 2009

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STRUCTURE FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7
DICTIONARY FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

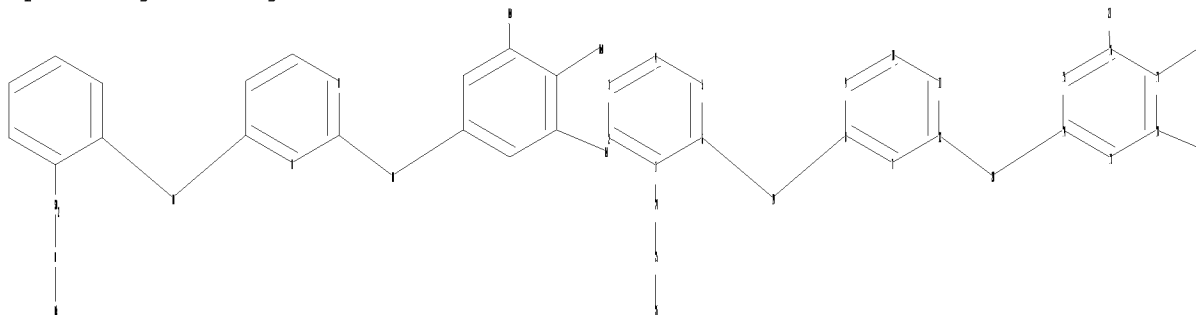
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10571733.str



chain nodes :
19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-24 6-19 8-19 12-20 14-20 16-21 17-22 18-23 24-25 25-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
6-19 8-19 12-20 14-20 24-25 25-26
exact bonds :
1-24 16-21 17-22 18-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

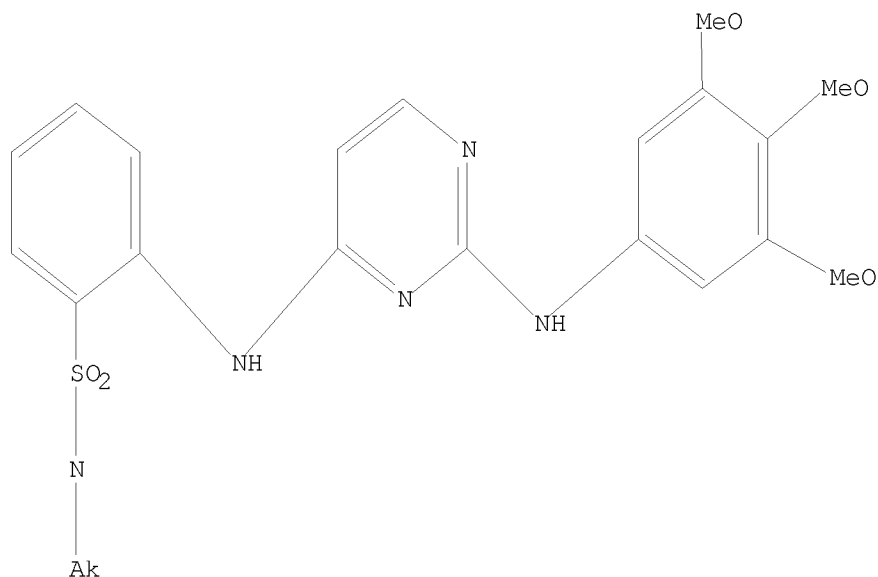
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 fam ful

STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH

You have requested a full structure (EXA or FAM) search on a structure containing one of the special variable-atom symbols A, M, Q, or X, or a variable group G. Only bond variability is allowed in structures for EXA or FAM searches. Variable nodes are never permitted.

=> s l1 sss ful

FULL SEARCH INITIATED 09:51:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS

8 ANSWERS

SEARCH TIME: 00.00.01

L2 8 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

186.36

186.58

FILE 'CAPLUS' ENTERED AT 09:51:42 ON 17 NOV 2009

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FILE COVERS 1907 - 17 Nov 2009 VOL 151 ISS 21
FILE LAST UPDATED: 16 Nov 2009 (20091116/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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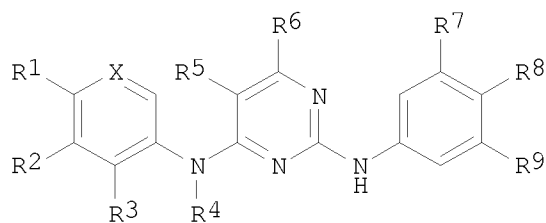
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L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:260035 CAPLUS
DOCUMENT NUMBER: 142:336377
TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful
in the treatment of proliferative disorders
INVENTOR(S): Imbach, Patricia; Roesel, Johannes
PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005026130	A1	20050324	WO 2004-EP10466	20040917
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,			

SN, TD, TG

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			WO 2004-EP10466	W 20040917
OTHER SOURCE(S):	CASREACT 142:336377; MARPAT 142:336377			
GI				



AB The title compds. I [X = CR⁰, N; R⁰, R¹-R⁴ = H, OH, alkyl, etc.; or R³ and R⁴ form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R¹-R³ = halo, haloalkyl, alkoxy, etc.; or R¹ and R² form aryl or 5-10 membered heteroaryl; R⁵, R⁶ = H, halo, CN, alkyl, etc.; R⁷-R⁹ = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:757684 CAPLUS

DOCUMENT NUMBER: 139:292258

TITLE: Pyrimidine derivatives

INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

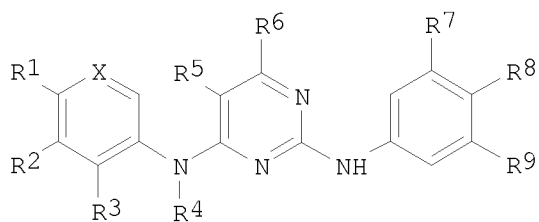
FAMILY ACC. NUM. COUNT: 1

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PRIORITY APPLN. INFO.:			GB 2002-6215	A 20020315
			WO 2003-EP2710	W 20030314

OTHER SOURCE(S): MARPAT 139:292258

GI



AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are

useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK.

Pharmaceutical compns. containing I are claimed.

OS.CITING REF COUNT: 22 THERE ARE 22 CAPLUS RECORDS THAT CITE THIS RECORD (22 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

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FULL ESTIMATED COST	6.50	193.08

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CA SUBSCRIBER PRICE	-1.64	-1.64

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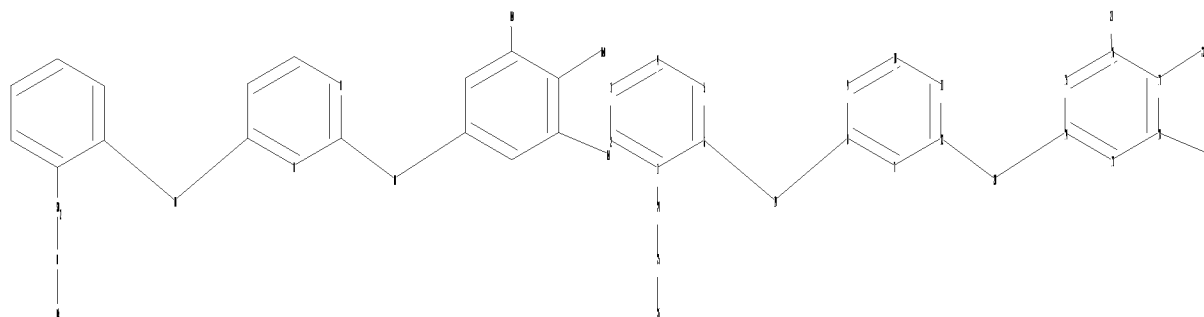
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NEWS	6	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	7	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	8	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
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NEWS	11	APR 02	DWPI: New display format ALLSTR available
NEWS	12	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS	13	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
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ring bonds :
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14-15 15-16 16-17 17-18
exact/norm bonds :
6-19 8-19 12-20 14-20 24-25 25-26
exact bonds :
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Match level :
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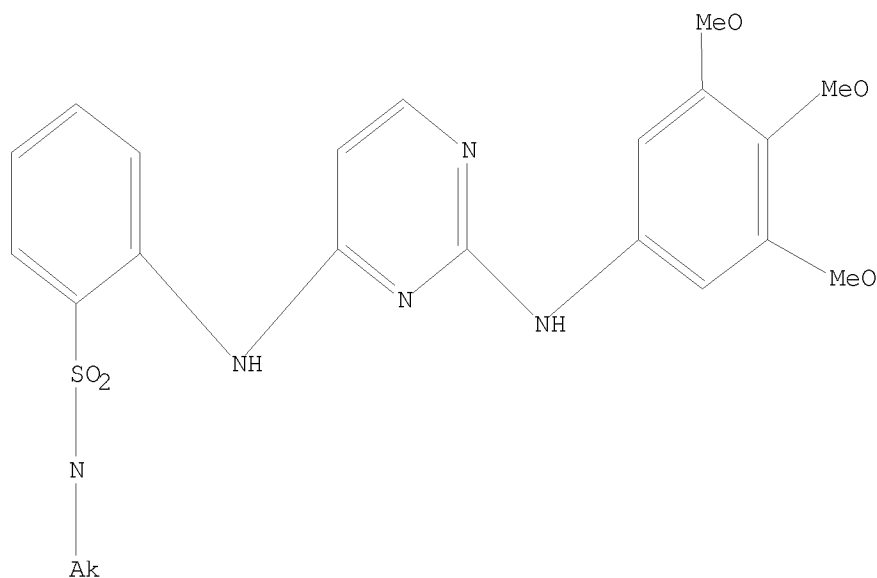
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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 86 ITERATIONS 8 ANSWERS
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FULL ESTIMATED COST	191.54	191.76

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FILE LAST UPDATED: 11 May 2010 (20100511/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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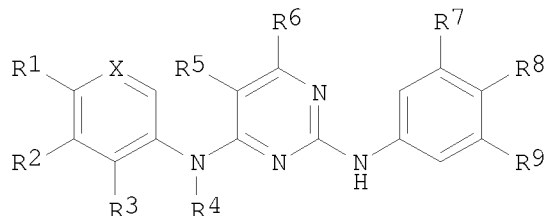
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L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:260035 CAPLUS
DOCUMENT NUMBER: 142:336377
TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful
in the treatment of proliferative disorders
INVENTOR(S): Imbach, Patricia; Roesel, Johannes
PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005026130	A1	20050324	WO 2004-EP10466	20040917
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2004272288	B2	20081113		
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EP 1663992	A1	20060607	EP 2004-765358	20040917
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BR 2004014544	A	20061107	BR 2004-14544	20040917
JP 2007505858	T	20070315	JP 2006-526595	20040917
US 20070105839	A1	20070510	US 2006-571733	20060314
IN 2006CN00922	A	20070615	IN 2006-CN922	20060316

MX 2006003054 A 20060531 MX 2006-3054 20060317
 PRIORITY APPLN. INFO.: US 2003-504374P P 20030918
 WO 2004-EP10466 W 20040917
 OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377
 GI



I

AB The title compds. I [X = CR0, N; R0, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)
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L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

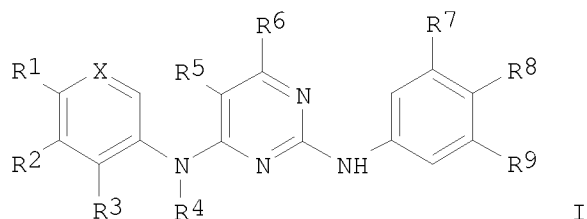
ACCESSION NUMBER: 2003:757684 CAPLUS
 DOCUMENT NUMBER: 139:292258
 TITLE: Pyrimidine derivatives
 INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078404	A1	20030925	WO 2003-EP2710	20030314
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EP 1487805	A1	20041222	EP 2003-744366	20030314
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			WO 2003-EP2710	W 20030314

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 139:292258
GI



AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. Pharmaceutical compns. containing I are claimed.

OS.CITING REF COUNT: 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

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SESSION

FULL ESTIMATED COST

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198.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

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-1.70

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